

## **Current challenges in operation, performance, and maintenance of photovoltaic panels**

Orosz, Tamas; **Rassõlkin, Anton**; Arsenio, Pedro; Poor, Peter; **Valme, Daniil**; Sleisz, Adam Energies 2024 / art. 1306

<https://doi.org/10.3390/en17061306>

## **Curricula updates through students' participation in international competition**

**Valme, Daniil; Belolipetskaja, Diana; Rassõlkin, Anton; Leoste, Janika; Rüütmann, Tiia** 15th International Conference on Robotics in Education (RiE 2024) 2024

## **Development of the reconfigurable continuous track robot**

**Valme, Daniil** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 15-16 : ill [https://www.esther.ee/record=b5504019\\*est](https://www.esther.ee/record=b5504019*est)

## **Generative design in weight optimization of reconfigurable continuous track robot**

**Valme, Daniil; Kudelina, Karolina; Belolipetskaja, Diana; Rassõlkin, Anton; Vaimann, Toomas; Kallaste, Ants** 2021 28th International Workshop on Electric Drives : Improving Reliability of Electric Drives (IWED) 2021 / 6 p  
<https://doi.org/10.1109/IWED52055.2021.9376329>

## **Hyperspectral imaging for vehicle traction effort prediction: ISEAUTO case study**

**Valme, Daniil; Rassõlkin, Anton; Liyanage, Dhanushka Chamara** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227463>

## **Intelligent traction control for electric vehicles using hyperspectral imaging**

**Valme, Daniil** 22nd International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 15-16 : ill [https://www.esther.ee/record=b5570906\\*est](https://www.esther.ee/record=b5570906*est)

## **Preliminary sensors selection for reconfigurable continuous track robot obstacle detection**

**Valme, Daniil; Kudelina, Karolina; Rassõlkin, Anton** 2021 IEEE Open Conference of Electrical, Electronic and Information Sciences (eStream): proceedings of the conference, April 22, 2021, Vilnius, Lithuania 2021 / 5 p. : ill  
<https://doi.org/10.1109/eStream53087.2021.9431394>

## **Road condition estimation using deep learning with hyperspectral images : detection of water and snow**

**Valme, Daniil; Galindos, Javier; Chamara Liyanage, Dhanushka; Chamara Liyanage, Dhanushka** Proceedings of the Estonian Academy of Sciences 2024 / p. 77-91 <https://doi.org/10.3176/proc.2024.1.09>